IN THE CLAIMS:,

The text of all pending claims, (including withdrawn claims) is set forth below. Cancelled and not entered claims are indicated with claim number and status only. The claims as listed below show added text with underlining and deleted text with ~~strikethrough~~. The status of each claim is indicated with one of (original), (currently amended), (cancelled), (withdrawn), (new), (previously presented), or (not entered).

Please AMEND claims 1 and 6 in accordance with the following:

1. (CURRENTLY AMENDED) A printed circuit board design system for generating a 3D model of a printed circuit board which mounts a component on a printed board, and performing with a three-dimensional CAD system a mounting design which includes a cabinet, the system comprising:

a converter ~~for~~ converting the printed circuit board into one or more models based on attributes preliminarily added to the component, by disassembling the printed circuit board, according to the attributes, into one or more constitutional elements to be converted into the models.

2. (ORIGINAL) The printed circuit board design system as claimed in claim 1 wherein when the attribute is a mounting side, the converter converts the printed board and a component mounted on an L1 side into an L1 side portion model, and converts the printed board and a component mounted on an Ln side into an Ln side portion model.

3. (ORIGINAL) The printed circuit board design system as claimed in claim 1 wherein when the attribute is at least one of an arrangement and a fixation, the converter converts the component which is not arranged on the printed circuit board into an unarranged component model, and converts the component which is not fixed into a nonfixed component model.

4. (ORIGINAL) The printed circuit board design system as claimed in claim 1 wherein the converter converts the printed board and the component into a library model related to the attribute.

5. (ORIGINAL) The printed circuit board design system as claimed in claim 1 wherein the converter converts the component into either a pseudo shape model or a detailed

shape model.

6. (CURRENTLY AMENDED) A method for generating a 3D model of a printed circuit board which mounts a component on a printed board, and performing with a three-dimensional CAD system a mounting design which includes a cabinet, the method comprising the operations of:

converting the printed circuit board into one or more models based on attributes preliminarily added to the component, by disassembling the printed circuit board, according to the attributes, into one or more constitutional elements to be converted into the models.

7. (PREVIOUSLY PRESENTED) The method as claimed in claim 6, wherein when one of the attributes is a mounting side, the converting operation converts the printed board and a component mounted on an L1 side into an L2 side portion model, and converts the printed board and a component mounted on an Ln side into an Ln side portion model.

8. (PREVIOUSLY PRESENTED) The method as claimed in claim 6, wherein when one of the attributes is at least one of an arrangement and a fixation, the converting operation converts the component which is not arranged on the printed circuit board into an unarranged component model, and converts the component which is not fixed into a nonfixed component model.

9. (PREVIOUSLY PRESENTED) The method as claimed in claim 6, wherein the converting operation converts the printed circuit board and the component into a library model related to one of the attributes.

10. (PREVIOUSLY PRESENTED) The method as claimed in claim 6, wherein the converting operation converts the component into either a pseudo shape model or a detailed shape model.